## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

HYDROGEOLOGIC CHARACTERISTICS OF THE VALLEY-FILL AQUIFER IN THE BRUSH REACH OF THE SOUTH PLATTE RIVER VALLEY, COLORADO

Ву

R. Theodore Hurr, Paul A. Schneider, Jr., and others

OPEN-FILE REPORT
73-123

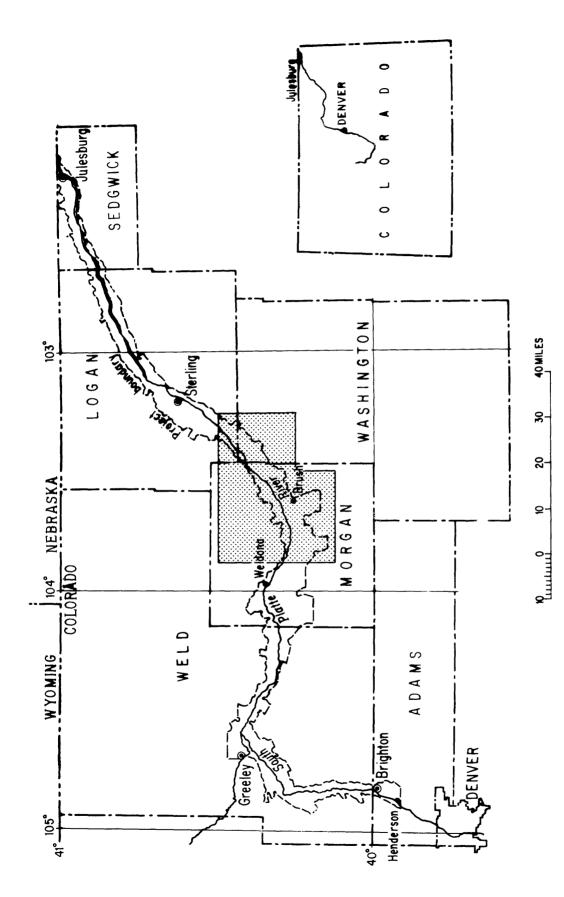
PREPARED IN COOPERATION WITH THE COLORADO WATER CONSERVATION BOARD

Water Resources Division
Colorado District
Building 25, Denver Federal Center
Lakewood, Colorado 80225
1972

## ILLUSTRATIONS

## Plates are in pocket

		Page
Figure 1.	<pre>Index map showing location of the Brush   reach of the South Platte River valley,   Colorado</pre>	1
Plate 1.	Location of wells in the Brush reach of the South Platte River valley, Colorado, 1968	
2.	Map showing bedrock configuration beneath the valley-fill aquifer in the Brush reach of the South Platte River valley, Colorado	
3.	Map showing water-table contours of the valley-fill aquifer in the Brush reach of the South Platte River valley, Colorado, March 1968	
4.	Map showing saturated thickness of the valley-fill aquifer in the Brush reach of the South Platte River valley, Colorado, March 1968	
5.	Map showing transmissivity of the valley-fill aquifer in the Brush reach of the South Platte River valley, Colorado	
6.	Map showing stream-depletion factor of the valley-fill aquifer in the Brush reach of the South Platte River valley, Colorado	
	REFERENCES	
References	for Plate 6	2



Tigure 1.--Index map showing location of the Brush reach (shaded area) of the South Platte River valley, Colorado.

## REFERENCES

- Jenkins, C. T., 1968a, Techniques for computing rate and volume of stream depletion by wells: Ground Water, v. 6, no. 2, p. 37-46.
- \_\_\_\_\_1968b, Electric-analog and digital-computer model analysis of stream depletion by wells: Ground Water, v. 6, no. 6, p. 27-34.
- 1970, Computation of rate and volume of stream depletion by wells: U.S. Geol. Survey Techniques Water-Resources Inv. Manual, Book 4, Chap. D1, 17 p.
- Moulder, E. A., and Jenkins, C. T., 1969, Analog-digital models of stream-aquifer systems: Ground Water, v. 7, no. 5, p. 19-24.